

COR

Approved For Release 2004/08/31 : CIA-RDP85B00803R000100040025-3



"J" Program - DM 2616 w/ Lockheed Missile & Space Co.

NRO review(s) completed.

J Program requirement specs = final revision presented by Lockheed Missiles and Space Company of the Lockheed A/c Corporation 12 January 1963 (1st issue 6 Nov 1962).

Established the tech rqmts associated with creation of a stereo photographic satellite recon system designated the "J" Program.

Rqmt to design, develop, test and mfr a complete satellite recon system to provide stereoscopic photographic coverage of designated areas of the earth's surface located between 30° N and 80° N latitude. J Program shall utilize existing COR M ~~configuration~~ design where possible and have the capability of converting to the COR M configuration.

Photography accomplished with 2 70 mm panoramic cameras mounted in 30° converging stereoscopic config.

The Agena D vwhicle shall be capable of providing 8 days of stabilized flight, out of the first 30 days of planned orbital life, during which time photographs may be taken.

Approximately 7800 feet of 70mm stereo photography or 15,600 feet of monoscopic photography may be generated and stored in the #1 recovery subsystem during first recon phase.

35mm stellar camera and 70mm Index camera photog shall be generated concurrent with 70 mm panoramic photography and transported to the recovery bucket via independent film paths.

programming After ejection of recovery system #1, the satellite may b programmed into a controlled tumble for up to 20 days, with all power to payload turned off. Satellite can then be re-stabilized for further recon use. Reactivation, followed by remaining panoramic film load, and re-entry and recovery of system #2.

Major subsystems: Thrust Augmented Thor (TAT) booster (Douglas) provided as GFE; Agena D satellite; 2 modified Mk 5A recovery systems; One modified 70mm COR M panoramic camera subsystem; 2 S-I camera subsystems for attitude-indexing reference; and a space structure subsystem (payload frame, timers, interface, flt program equipm⁵ etc.)

J delivery for Fleck - 30 Sept 63 J-1 - J-13 delivered to A/P -
J-14 - J-20 due by mid-Jan '64 -

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